

Work Order ID 126654

126654

Page 1

Wednesday, November 19, 2014 10:46:17 A

Item ID: D5116-041 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Wiring Harness
 Start Date: 11/19/2014 Start Qty: 5.00 *5* Cust Item ID:
 Required Date: 11/19/2014 Req'd Qty: 5.00 *5* Customer:
 Reference:

Approvals: Process Plan: MLJ Date: 11-11-19 Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
 Run Start *NR1*
 Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D5116	A								

100 0.00
 100
 Purchasing Memo 0.00
 Purchasing ISSUE PO : 26745
 Supplier: Positronic
 Manufacture D5116-041 as per dwg
 C OF C IS REQUIRED
C214/12/08 10

110 Receive & Inspect for Damage & Mat'l Certs 0.00
 110
 Packaging Memo 0.00
 Packaging
10x 15-01-14

120 QC5- Inspect part completeness to step on W/O 0.00
 120
 QC Memo 0.00
 Quality Control
15-01-14 DAS
 9
 9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 126654***126654***

Page 2

Wednesday, November 19, 2014 10:46:17 A

Item ID: D5116-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Wiring Harness
Start Date: 11/19/2014 Start Qty: 5.00 ***5*** Cust Item ID:
Required Date: 11/19/2014 Req'd Qty: 5.00 ***5*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

10
JAN 14 2015
MLJ 15-01-14
15-1-14

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
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Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge	☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Wednesday, November 19, 2014 10:46:21 AM

126654

D5116-041

Required Date: 11/19/2014

Required Qty: 5.00

Comments: IPP REV:A 14.11.17 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D5116-041P		Purchased	No				Each	0.0000		5			
D5116-041P									**	10	10 x 8p15-01-14		
Wiring Harness													

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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D5116-041 WIRE HARNESS

QTY - 041	PART NUMBER	DESCRIPTION	WIRE CODE	GAUGE	TERMINAL 1	TERMINAL 2	LENGTH (IN)	NOTES
X	D5116-041	WIRE HARNESS	N/A	N/A	N/A	N/A	N/A	N/A
1	D5116-1	WIRE M22759/41-14-9	M001A14	14	NONE	M39029/92-535	48	
1	D5116-3	WIRE M22759/41-14-9	M001B14	14	M39029/92-535	60619-1	48	
1	D5116-5	WIRE M22759/41-14-9	M001C14	14	60620-1	32448	48	WIRE/CONNECTOR SUPPLIED WITH HOOK
1	D5116-7	WIRE M22759/41-14-9	M002A14	14	60620-1	32448	48	WIRE/CONNECTOR SUPPLIED WITH HOOK
1	D5116-9	WIRE M22759/41-14-9	M002B14N	14	60619-1	NONE	72	
1	D5116-11	WIRE M22759/41-20-9	M003A20	20	NONE	M39029/92-533	48	
1	D5116-13	WIRE M22759/41-20-9	M003B20	20	M39029/92-533	60619-1	12	
1	D5116-15	WIRE M22759/32-20-9	M003C20	20	60620-1	NONE	75	
1	D5116-17	WIRE M22759/32-20-9	M004A20	20	60620-1	NONE	75	
1	D5116-19	WIRE M22759/41-20-9	M004B20N	20	60619-1	NONE	30	
1	D5116-21	WIRE M22759/41-20-9	NO CODE	20	36152	640903-1	7	JUMPER WIRE BETWEEN 28 VDC BUS AND D5095-1 FUSE HOLDER
1	XPF-1/8	EXPANDABLE SLEEVE	N/A	N/A	N/A	N/A	44	TO BE INSTALLED OVER WIRES M001C14 AND M002A14
2	1-480318	CONNECTOR	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
2	1-480319	CONNECTOR	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
1	31890	RED # 8 RING TERMINAL	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
2	320562	BLUE BUTT SPLICE	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
1	320565	BLUE # 8 RING TERMINAL	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
1	320619	BLUE # 6 RING TERMINAL	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
1	640903-1	1/4" BLADE CONNECTOR	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: PER QSI 044 6.7
- 7) WEIGHT: 1.0 lbs
- 8) PACKAGE TERMINALS/CONNECTORS IN LABELLED BAGS AS PART OF THE HARNESS ASSEMBLY
- 9) TERMINALS ARE TO BE CRIMPED BY THE CUSTOMER DURING HARNESS INSTALLATION
- 10) INSTALL AND SHRINK A 2" LENGTH OF 1/4" HEAT-SHRINK TUBING OVER BOTH ENDS OF THE EXPANDABLE SLEEVE TO PREVENT THE EXPANDABLE SLEEVE FROM FRAYING

TOP COPY

RETURN

ENCLOSURE

UNCONTROLLED COPY

ENDMENT

NOTICE

ORDER

126654

ML5

14-11-19

APPROVED

A		NEW ISSUE		ML	14.05.09
REV.	DESCRIPTION			BY	DATE
DESIGN	ML	DART AEROSPACE LTD			
DRAWN	ML	HAWKESBURY, ONTARIO, CANADA			
CHECKED	AJS	DRAWING NO.		REV. A	
MFG. APPR.	DD	D5116		SHEET 1 OF 1	
APPROVED	MP	TITLE		SCALE	
DE APPR.	DS	WIRE HARNESS		NTS	
DATE	14.05.09				

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WRITTEN PERMISSION FROM DART AEROSPACE LTD.

RELEASED
2014-11-06

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO26745**

Purchase Order Date 12/8/2014

PO Print Date 12/8/2014

Page Number 1 of 2

Order From :

VU-EAG002

EAGLE COPTERS MAINTENANCE LTD.
823 MCTAVISH ROAD N E
CALGARY, AB T2E 7G9
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

PAID

Contact Name

Vendor Phone

403-250-7370

Ship To Contact

Ship To Phone

Ship Via:

FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D5116-041P AS PER DWG D5116 REV. A B126654	Wiring Harness	12/22/2014 Yes 12/22/2014	FN	10.00 Each	\$284.88	\$2,848.8
						Line Total:	\$2,848.8
2	71401-45	PROCUREMENT QUALITY CLAUSES	12/22/2014 No 12/22/2014		1.00	\$0.00	\$0.0
Procurement Quality Clauses A005 RIGHT OF ENTRY A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE) A016 PERSONNEL QUALIFICATION A018 ELECTRICAL EQUIPMENT A025 CERTIFICATE OF CONFORMANCE A040 NOTIFICATION OF QUALITY ESCAPE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS							

8015-01-14

Note:

12/8/2014

Eagle Copters Maintenance Ltd

823 McTavish Rd, NE
Calgary, Alberta T2E 7G9
Canada

Work Order Detail

January 13, 2015

Telephone: (403) 250-7370

Fax: (403) 250-7110

Work Order: 51880

Title: Build Wiring Harness (qty 10)

Registration #:

Department: Manufacturing

Customer: Dart Aerospace Ltd.

Contact Name:

Status: Open

Address: Mailing

Account Code: CU-DAR004

P.O. #: PO26745

1270 Aberdeen Street

Target Date:

Created: 12/17/2014

Hawkesbury, ON K6A 1K7

Invoice #:

Posted:

Canada

Date Closed:

Job #:

Item: 1	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A
Squawk: 1	Discrepancy: Build Wiring Harness as per DWG D5116 Rev. A B126654		
	Resolution: Assembled Wiring Harness IAW AC43.13-1B Chapter 11 and customer supplied DWG D5116 Rev. A B126654.		
	Signed Off: 01/13/2015	By: Eric Olberg	
	Inspected:	By:	
	Completed:	By:	
Item: 2	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A
Squawk: 1	Discrepancy: Build Wiring Harness as per DWG D5116 Rev. A B126654		
	Resolution: Assembled Wiring Harness IAW AC43.13-1B Chapter 11 and customer supplied DWG D5116 Rev. A B126654.		
	Signed Off: 01/13/2015	By: Eric Olberg	
	Inspected:	By:	
	Completed:	By:	
Item: 3	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A
Squawk: 1	Discrepancy: Build Wiring Harness as per DWG D5116 Rev. A B126654		
	Resolution: Assembled Wiring Harness IAW AC43.13-1B Chapter 11 and customer supplied DWG D5116 Rev. A B126654.		
	Signed Off: 01/13/2015	By: Eric Olberg	
	Inspected:	By:	
	Completed:	By:	
Item: 4	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A
Squawk: 1	Discrepancy: Build Wiring Harness as per DWG D5116 Rev. A B126654		
	Resolution: Assembled Wiring Harness IAW AC43.13-1B Chapter 11 and customer supplied DWG D5116 Rev. A B126654.		
	Signed Off: 01/13/2015	By: Eric Olberg	
	Inspected:	By:	
	Completed:	By:	
Item: 5	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A
Squawk: 1	Discrepancy: Build Wiring Harness as per DWG D5116 Rev. A B126654		
	Resolution: Assembled Wiring Harness IAW AC43.13-1B Chapter 11 and customer supplied DWG D5116 Rev. A B126654.		
	Signed Off: 01/13/2015	By: Eric Olberg	
	Inspected:	By:	
	Completed:	By:	
Item: 6	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A

Eagle Copters Maintenance Ltd

823 McTavish Rd, NE
Calgary, Alberta T2E 7G9
Canada

Work Order Detail

January 13, 2015

Telephone: (403) 250-7370

Fax: (403) 250-7110

Work Order: 51880

Title: Build Wiring Harness (qty 10)

Registration #:

Department: Manufacturing

Item: 6	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A
Squawk: 1	Discrepancy:	Build Wiring Harness as per DWG D5116 Rev. A B126654	
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	Inspected:		By:
	Completed:		By:

Item: 7	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A
Squawk: 1	Discrepancy:	Build Wiring Harness as per DWG D5116 Rev. A B126654	
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	Signed Off:	01/13/2015	By: Eric Olberg
	Inspected:		By:
	Completed:		By:

Item: 8	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A
Squawk: 1	Discrepancy:	Build Wiring Harness as per DWG D5116 Rev. A B126654	
	Resolution:	Assembled Wiring Harness IAW AC43.13-1B Chapter 11 and customer supplied DWG D5116 Rev. A B126654.	
	Signed Off:	01/13/2015	By: Eric Olberg
	Inspected:		By:
	Completed:		By:

Item: 9	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A
Squawk: 1	Discrepancy:	Build Wiring Harness as per DWG D5116 Rev. A B126654	
	Resolution:	Assembled Wiring Harness IAW AC43.13-1B Chapter 11 and customer supplied DWG D5116 Rev. A B126654.	
	Signed Off:	01/13/2015	By: Eric Olberg
	Inspected:		By:
	Completed:		By:

Item: 10	WIRING HARNESS	Part #: D5116-041P	Serial #: N/A
Squawk: 1	Discrepancy:	Build Wiring Harness as per DWG D5116 Rev. A B126654	
	Resolution:	Assembled Wiring Harness IAW AC43.13-1B Chapter 11 and customer supplied DWG D5116 Rev. A B126654.	
	Signed Off:	01/13/2015	By: Eric Olberg
	Inspected:		By:
	Completed:		By:

* End of Report *

Work Order Number: 51880

Build Wiring Harness (qty 10)

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 1 WIRING HARNESS

Squawk: 1.1Discrepancy:Build Wiring Harness as per
DWG D5116 Rev. A
B126654Resolution:Assembled Wiring Harness
IAW AC43.13-1B Chapter
11 and customer supplied
DWG D5116 Rev. A
B126654.**1.1 Work Done By: Eric Olberg**Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
60619-1	CONTACT		LT-14-014639	New	4
60620-1	PIN		LT-14-014651	New	4
36152	36152/RING TERMINAL		LT-14-004544	New	1
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
M39029-92-533	PIN		LT-08-013153	New	2
1-480318-0	CONN-WITHOUT		LT-14-014676	New	2
	CONTACTS				
1-480319-0	CONNECTORW/CONTACTS		LT-14-014687	New	2
31890	TERMINAL		LT-14-003044	New	1
320562	SPLICE		LT-14-014701	New	2
320565	RING CONNECTOR		LT-13-007273	New	1
320619	TERMINAL LUG		LT-14-011211	New	1
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
M39029/92-535	CONTACT		LT-14-014650	New	2
HIXR-1/4	HEAT SHRINK BLACK		LT-14-003591	New	1
32448	TERMINAL KNIFE		LT-15-000108	New	2

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***** Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software *****

Work Order Number: 51880 Build Wiring Harness (qty 10)

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Item: 2 WIRING HARNESS

Squawk: 2.1Discrepancy:Build Wiring Harness as per
DWG D5116 Rev. A
B126654Resolution:Assembled Wiring Harness
IAW AC43.13-1B Chapter
11 and customer supplied
DWG D5116 Rev. A
B126654.**2.1 Work Done By: Eric Olberg**Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
60619-1	CONTACT		LT-14-014640	New	4
60620-1	PIN		LT-14-014651	New	4
36152	36152/RING TERMINAL		LT-14-004544	New	1
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
640903-1	22-18AWG SPADE SOCKET 1/4"		LT-14-011212	New	1
M39029-92-533	22-18AWG PIN		LT-08-013153	New	2
1-480318-0	CONN-WITHOUT CONTACTS		LT-14-014677	New	2
1-480319-0	CONNECTORW/CONTACTS		LT-14-014688	New	2
31890	TERMINAL		LT-14-003044	New	1
320562	SPLICE		LT-14-014702	New	2
320565	RING CONNECTOR		LT-13-007273	New	1
320619	TERMINAL LUG		LT-14-011211	New	1
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
M39029/92-535	CONTACT		LT-14-014650	New	2
HIXR-1/4	HEAT SHRINK BLACK		LT-14-003591	New	1
32448	TERMINAL KNIFE		LT-15-000107	New	2

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Work Order Number: 51880 Build Wiring Harness (qty 10)

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 3 WIRING HARNESS

Squawk: 3.1Discrepancy:Build Wiring Harness as per
DWG D5116 Rev. A
B126654Resolution:Assembled Wiring Harness
IAW AC43.13-1B Chapter
11 and customer supplied
DWG D5116 Rev. A
B126654.**3.1 Work Done By: Eric Olberg**Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
60619-1	CONTACT		LT-14-014641	New	4
60620-1	PIN		LT-14-014651	New	4
36152	36152/RING TERMINAL		LT-14-004544	New	1
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
640903-1	22-18AWG SPADE SOCKET 1/4"		LT-14-011212	New	1
M39029-92-533	22-18AWG PIN		LT-08-013153	New	2
1-480318-0	CONN-WITHOUT CONTACTS		LT-14-014678	New	2
1-480319-0	CONNECTORW/CONTACTS		LT-14-014689	New	2
31890	TERMINAL		LT-14-003044	New	1
320562	SPLICE		LT-14-014719	New	2
320565	RING CONNECTOR		LT-13-007273	New	1
320619	TERMINAL LUG		LT-14-011211	New	1
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
M39029/92-535	CONTACT		LT-14-014650	New	2
HIXR-1/4	HEAT SHRINK BLACK		LT-14-003591	New	1
32448	TERMINAL KNIFE		LT-15-000106	New	2

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Work Order Number: 51880

Build Wiring Harness (qty 10)

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 4 WIRING HARNESS

Squawk: 4.1Discrepancy:

Build Wiring Harness as per
DWG D5116 Rev. A
B126654

Resolution:

Assembled Wiring Harness
IAW AC43.13-1B Chapter
11 and customer supplied
DWG D5116 Rev. A
B126654.

4.1 Work Done By: Eric OlbergParts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
60619-1	CONTACT		LT-14-014642	New	4
60620-1	PIN		LT-14-014651	New	4
36152	36152/RING TERMINAL		LT-14-004544	New	1
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
M39029-92-533	PIN		LT-08-013153	New	2
1-480318-0	CONN-WITHOUT		LT-14-014679	New	2
	CONTACTS				
1-480319-0	CONNECTORW/CONTACTS		LT-14-014690	New	2
31890	TERMINAL		LT-14-003044	New	1
320562	SPLICE		LT-14-014720	New	2
320565	RING CONNECTOR		LT-13-007273	New	1
320619	TERMINAL LUG		LT-14-011211	New	1
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
M39029/92-535	CONTACT		LT-14-014650	New	2
HIXR-1/4	HEAT SHRINK BLACK		LT-14-003591	New	1
32448	TERMINAL KNIFE		LT-15-000105	New	2

Lengths provided by Rick, 13-Jan-15

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Work Order Number: 51880 Build Wiring Harness (qty 10)

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Item: 5 WIRING HARNESS

Squawk: 5.1Discrepancy:Build Wiring Harness as per
DWG D5116 Rev. A
B126654Resolution:Assembled Wiring Harness
IAW AC43.13-1B Chapter
11 and customer supplied
DWG D5116 Rev. A
B126654.**5.1 Work Done By: Eric Olberg**Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
60619-1	CONTACT		LT-14-014643	New	4
60620-1	PIN		LT-14-014651	New	3
60620-1	PIN		LT-14-014632	New	1
36152	36152/RING TERMINAL		LT-14-004544	New	1
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
M39029-92-533	PIN		LT-08-013153	New	2
1-480318-0	CONN-WITHOUT		LT-14-014680	New	2
	CONTACTS				
1-480319-0	CONNECTORW/CONTACTS		LT-14-014691	New	2
31890	TERMINAL		LT-14-003044	New	1
320562	SPLICE		LT-14-014721	New	2
320565	RING CONNECTOR		LT-13-007273	New	1
320619	TERMINAL LUG		LT-14-011211	New	1
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
M39029/92-535	CONTACT		LT-14-014650	New	2
HIXR-1/4	HEAT SHRINK BLACK		LT-14-003591	New	1
32448	TERMINAL KNIFE		LT-15-000104	New	2

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Work Order Number: 51880 Build Wiring Harness (qty 10)

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Item: 6 WIRING HARNESS

Squawk: 6.1Discrepancy:Build Wiring Harness as per
DWG D5116 Rev. A
B126654Resolution:Assembled Wiring Harness
IAW AC43.13-1B Chapter
11 and customer supplied
DWG D5116 Rev. A
B126654.**6.1 Work Done By: Eric Olberg**Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
60619-1	CONTACT		LT-14-014644	New	4
60620-1	PIN		LT-14-014633	New	4
36152	36152/RING TERMINAL		LT-14-004544	New	1
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
M39029-92-533	PIN		LT-08-013153	New	2
1-480318-0	CONN-WITHOUT		LT-14-014681	New	2
	CONTACTS				
1-480319-0	CONNECTORW/CONTACTS		LT-14-014692	New	2
31890	TERMINAL		LT-14-003044	New	1
320562	SPLICE		LT-14-014722	New	2
320565	RING CONNECTOR		LT-13-007273	New	1
320619	TERMINAL LUG		LT-14-011211	New	1
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
M39029/92-535	CONTACT		LT-14-014650	New	2
HIXR-1/4	HEAT SHRINK BLACK		LT-14-003591	New	1
32448	TERMINAL KNIFE		LT-15-000113	New	2

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Work Order Number: 51880 Build Wiring Harness (qty 10)

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 7 WIRING HARNESS

Squawk: 7.1Discrepancy:Build Wiring Harness as per
DWG D5116 Rev. A
B126654Resolution:Assembled Wiring Harness
IAW AC43.13-1B Chapter
11 and customer supplied
DWG D5116 Rev. A
B126654.**7.1 Work Done By: Eric Olberg**Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
60619-1	CONTACT		LT-14-014645	New	4
60620-1	PIN		LT-14-014634	New	4
36152	36152/RING TERMINAL		LT-14-004544	New	1
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
M39029-92-533	PIN		LT-08-013153	New	2
1-480318-0	CONN-WITHOUT		LT-14-014682	New	2
	CONTACTS				
1-480319-0	CONNECTORW/CONTACTS		LT-14-014693	New	2
31890	TERMINAL		LT-14-003044	New	1
320562	SPLICE		LT-14-014697	New	2
320565	RING CONNECTOR		LT-13-007273	New	1
320619	TERMINAL LUG		LT-14-011211	New	1
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
M39029/92-535	CONTACT		LT-14-014650	New	2
HIXR-1/4	HEAT SHRINK BLACK		LT-14-003591	New	1
32448	TERMINAL KNIFE		LT-15-000112	New	2

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Work Order Number: 51880 Build Wiring Harness (qty 10)

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 8 WIRING HARNESS

Squawk: 8.1Discrepancy:Build Wiring Harness as per
DWG D5116 Rev. A
B126654Resolution:Assembled Wiring Harness
IAW AC43.13-1B Chapter
11 and customer supplied
DWG D5116 Rev. A
B126654.**8.1 Work Done By: Eric Olberg**Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
60619-1	CONTACT		LT-14-014646	New	4
60620-1	PIN		LT-14-014635	New	4
36152	36152/RING TERMINAL		LT-14-004544	New	1
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
M39029-92-533	PIN		LT-08-013153	New	2
1-480318-0	CONN-WITHOUT		LT-14-014683	New	2
	CONTACTS				
1-480319-0	CONNECTORW/CONTACTS		LT-14-014694	New	2
31890	TERMINAL		LT-14-003044	New	1
320562	SPLICE		LT-14-014698	New	2
320565	RING CONNECTOR		LT-13-007273	New	1
320619	TERMINAL LUG		LT-14-011211	New	1
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
M39029/92-535	CONTACT		LT-14-014650	New	2
HIXR-1/4	HEAT SHRINK BLACK		LT-14-003591	New	1
32448	TERMINAL KNIFE		LT-15-000111	New	2

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Work Order Number: 51880

Build Wiring Harness (qty 10)

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 9 WIRING HARNESS

Squawk: 9.1Discrepancy:

Build Wiring Harness as per
DWG D5116 Rev. A
B126654

Resolution:

Assembled Wiring Harness
IAW AC43.13-1B Chapter
11 and customer supplied
DWG D5116 Rev. A
B126654.

9.1 Work Done By: Eric OlbergParts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
60619-1	CONTACT		LT-14-014647	New	4
60620-1	PIN		LT-14-014636	New	4
36152	36152/RING TERMINAL		LT-14-004544	New	1
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
M39029-92-533	PIN		LT-08-013153	New	2
1-480318-0	CONN-WITHOUT		LT-14-014684	New	2
	CONTACTS				
1-480319-0	CONNECTORW/CONTACTS		LT-14-014695	New	2
31890	TERMINAL		LT-14-003044	New	1
320562	SPLICE		LT-14-014699	New	2
320565	RING CONNECTOR		LT-13-007273	New	1
320619	TERMINAL LUG		LT-14-011211	New	1
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
M39029/92-535	CONTACT		LT-14-014650	New	2
HIXR-1/4	HEAT SHRINK BLACK		LT-14-003591	New	1
32448	TERMINAL KNIFE		LT-15-000110	New	2

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Work Order Number: 51880 Build Wiring Harness (qty 10)

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 10 WIRING HARNESS

Squawk: 10.1Discrepancy:Build Wiring Harness as per
DWG D5116 Rev. A
B126654Resolution:Assembled Wiring Harness
IAW AC43.13-1B Chapter
11 and customer supplied
DWG D5116 Rev. A
B126654.**10.1 Work Done By: Eric Olberg**Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
60619-1	CONTACT		LT-14-014648	New	4
60620-1	PIN		LT-14-014637	New	4
36152	36152/RING TERMINAL		LT-14-004544	New	1
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
640903-1	SPADE SOCKET 1/4"		LT-14-011212	New	1
	22-18AWG				
M39029-92-533	PIN		LT-08-013153	New	2
1-480318-0	CONN-WITHOUT		LT-14-014685	New	2
	CONTACTS				
1-480319-0	CONNECTORW/CONTACTS		LT-14-014696	New	2
31890	TERMINAL		LT-14-003044	New	1
320562	SPLICE		LT-14-014700	New	2
320565	RING CONNECTOR		LT-13-007273	New	1
320619	TERMINAL LUG		LT-14-011211	New	1
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
XPF-1/8	EXPANDABLE SLEEVING		LT-14-007002	New	4
M39029/92-535	CONTACT		LT-14-014650	New	2
HIXR-1/4	HEAT SHRINK BLACK		LT-14-003591	New	1
32448	TERMINAL KNIFE		LT-15-000109	New	2

* End of Report *

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D5116-041 WIRE HARNESS

QTY -041	PART NUMBER	DESCRIPTION	WIRE CODE	GAUGE	TERMINAL 1	TERMINAL 2	LENGTH (IN)	NOTES
X	D5116-041	WIRE HARNESS	N/A	N/A	N/A	N/A	N/A	N/A
1	D5116-1	WIRE M22759/41-14-9	M001A14	14	NONE	M39029/92-535	48	
1	D5116-3	WIRE M22759/41-14-9	M001B14	14	M39029/92-535	60619-1	48	
1	D5116-5	WIRE M22759/41-14-9	M001C14	14	60620-1	32448	48	WIRE/CONNECTOR SUPPLIED WITH HOOK
1	D5116-7	WIRE M22759/41-14-9	M002A14	14	60620-1	32448	48	WIRE/CONNECTOR SUPPLIED WITH HOOK
1	D5116-9	WIRE M22759/41-14-9	M002B14N	14	60619-1	NONE	72	
1	D5116-11	WIRE M22759/41-20-9	M003A20	20	NONE	M39029/92-533	48	
1	D5116-13	WIRE M22759/41-20-9	M003B20	20	M39020/92-533	60619-1	12	
1	D5116-15	WIRE M22759/32-20-9	M003C20	20	60620-1	NONE	75	
1	D5116-17	WIRE M22759/32-20-9	M004A20	20	60620-1	NONE	75	
1	D5116-19	WIRE M22759/41-20-9	M004B20N	20	60619-1	NONE	30	
1	D5116-21	WIRE M22759/41-20-9	NO CODE	20	36152	640903-1	7	JUMPER WIRE BETWEEN 28 VDC BUS AND D5095-1 FUSE HOLDER
1	XPF-1/8	EXPANDABLE SLEEVE	N/A	N/A	N/A	N/A	44	TO BE INSTALLED OVER WIRES M001C14 AND M002A14
2	1-480318	CONNECTOR	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
2	1-480319	CONNECTOR	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
1	31890	RED # 8 RING TERMINAL	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
2	320562	BLUE BUTT SPLICE	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
1	320565	BLUE # 8 RING TERMINAL	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
1	320619	BLUE # 6 RING TERMINAL	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9
1	640903-1	1/4" BLADE CONNECTOR	N/A	N/A	N/A	N/A	N/A	SEE NOTE 8 AND 9

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: PER QSI 044 6.7
- 7) WEIGHT: 1.0 lbs
- 8) PACKAGE TERMINALS/CONNECTORS IN LABELLED BAGS AS PART OF THE HARNESS ASSEMBLY
- 9) TERMINALS ARE TO BE CRIMPED BY THE CUSTOMER DURING HARNESS INSTALLATION
- 10) INSTALL AND SHRINK A 2" LENGTH OF 1/4" HEAT-SHRINK TUBING OVER BOTH ENDS OF THE EXPANDABLE SLEEVE TO PREVENT THE EXPANDABLE SLEEVE FROM FRAYING

RELEASED
2014-11-06

A	NEW ISSUE	ML	14.05.09
REV.	DESCRIPTION	BY	DATE
DESIGN	ML	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	ML		
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